

# **Plenty Ranges Arts & Convention Centre**

## ***Yan Yean Theatre Technical Specifications***

*Updated  
17/06/2015*

**Technical Co-ordinator: Anthony Rogan  
Phone number: 03 9217 2463  
Fax number: 03 9409 9802  
Email address: [anthony.rogan@whittlesea.vic.gov.au](mailto:anthony.rogan@whittlesea.vic.gov.au)**

**Venue:  
Phone number: 03 9217 2317  
Fax number: 03 9409 9802**

# STAGE

## Brief Stage Description:

The Yan Yean Theatre has an un-raked stage with a proscenium arch and full flying facilities. The stage floor consists of a structural plywood floor covered with masonite sheets, mounted on rubber mounts. Screwing into the surface or tape marking is to be authorised by the Technical Coordinator.

Stage distributed load limit	<b>700kg / m2</b>
Stage Point load limit	<b>400kg</b>
Orchestra Pit distributed load limit	<b>200kg / m2, maximum 6,000kg</b>
Orchestra Pit Point load limit	<b>200kg</b>
Stage Rake	<b>NO</b>

## Stage Dimensions:

<b>Proscenium</b>	
Width	<b>12.0 metres</b>
Height	<b>6 metres</b>

## Setting Line Upstage edge of Fire Curtain channel.

<b>Distance From</b> ( <i>SL = Setting Line, CL = Centre Line</i> )	
SL to DS edge of apron	<b>3300mm</b>
SL to DS edge of Orchestra Lift/Pit	<b>3300mm</b>
SL to last upstage fly line	<b>7900mm</b>
SL to rear wall	<b>8800mm</b>
CL to OP wall (or obstruction)	<b>8700mm</b>
CL to PS wall (or obstruction)	<b>13000mm</b>
Stage to underside of grid / roof	<b>16000mm</b>

<b>Overhead obstructions</b>	
PS Gallery height	<b>6000mm</b>
OP Gallery height	<b>6000mm</b>

## Auditorium:

Auditorium consists of stalls.

Seating capacity with additional  
Orchestra pit seating installed **N/A**

Seating capacity without  
Orchestra pit seating installed **497**

## Orchestra Pit:

The orchestra pit must be reconfigured manually by venue staff only. Pit can be configured in the closed, MD section open or fully opened position.

Stage level at **900mm** above auditorium.

Orchestra pit level is at **1500mm** below auditorium.

SWL of orchestra lift **N/A**

Dimensions of the usable area for an orchestra is 12metres x 2.5 metres.

## Flying Facilities:

### Fly System

The fly system is a single purchase handline system. All fly line movements are to be directly supervised by venue staff.

### Fly System Details

Operating position	<b>Stage Level, OP.</b>
Total number of lines	<b>30</b>
Panorama Lines	<b>1 bar OP and 1 bar PS.</b>
Batten Drift	<b>15000mm</b>
Batten type	<b>75 x 50 RHS steel section</b>
Batten length	<b>15000mm</b>
LX bars can be swung	<b>YES</b>
Fly bars can be swung	<b>YES</b>

### Standard Operation

Batten point load	<b>225kg</b>
Batten W.L.L.	<b>450kg</b>
Cradle capacity	<b>400kg</b>

### With Cradle Extensions (Venue has NO Extensions)

Batten point load	<b>225kg</b>
Batten W.L.L.	<b>450kg</b>
Cradle capacity	<b>450kg</b>

*SEE HANGING PLOT FOR LINE ALLOCATIONS AND FURTHER INFO*

**Additional Rigging points**      **none**

### Hanging Plot:

SL: Setting Line as indicated previously

Line Type: **SP** = Single purchase, **DP** = Double purchase, **MW** = Motor Winch, **HW** = Hand Winch, **HL** = Handline

W.L.L.: Maximum distributed load including bar weight

Line #	Dist. from SL	Line Type	W.L.L	Venue Allocation
H.C	0mm	MW	450kg	House Curtain
1	150mm	SP	450kg	Border
2	300mm	SP	450kg	Projection Screen
3	450mm	SP	450kg	Legs 1
4	N/A			
5	750mm	SP	450kg	LX 1
6	N/A			
7	1050mm	SP	450kg	Scrim
8	1200mm	SP	450kg	
9	1350mm	SP	450kg	
10	N/A			
11	1650mm	SP	450kg	Border
12	N/A	SP		
13	1950mm	SP	450kg	Legs 2
14	N/A			
15	2250mm	SP	450kg	
16	N/A			
17	2550mm	SP	450kg	
18	N/A			
19	2850mm	SP	450kg	Border
20	N/A			
21	3150mm	SP	450kg	LX 2
22	N/A			
23	3450mm	SP	450kg	Legs 3
24	N/A	SP		
25	3750mm	SP	450kg	½ Tab
26	N/A			
27	4050mm	SP	450kg	
28	N/A			
29	4350mm	SP	450kg	
30	N/A			
31	4650mm	SP	450kg	
32	N/A			
33	4950mm	SP	450kg	Border
34	N/A			
35	5250mm	SP	450kg	Legs 4
36	N/A			
37	5550mm	SP	450kg	LX 3
38	N/A			
39	5850mm	SP	450kg	LX 4
40	6000mm	SP	450kg	PS Panorama Bar
41	6150mm	SP	450kg	
42	N/A			
43	6450mm	SP	450kg	
44	N/A		450kg	

45	6750mm		450kg	
46	6900mm		450kg	OP Panorama Bar
47	7050mm		450kg	
48	7200mm	SP	450kg	Cyclorama
49	7350mm	SP	450kg	US Tab

**Draperies:**

*Type	Material	Colour	Width	Height	Quantity
House Curtain	Velour	Green	12000mm	6500mm	1
Borders	Wool	Black	14000mm	3000mm	4
Legs	Wool	Black	2200mm	6300mm	4 pair
Tabs / Smother	Wool	Black	6400mm	6300mm	2 pair
Cyclorama	Sharkstooth	White	14200mm	6000mm	1
Scrim	Sharkstooth Gauze	White	14000mm	6000mm	1

**Access Equipment:**

**Elevated Work Platform**

JLG 20 MVL motorised vertical lift.

Maximum reach is 6000mm

**EWP Restrictions**

EWP must be operated by Plenty Ranges Staff.

**Ladders**

(1) 4 metre "A" Frame aluminium.

(1) 2.1 metre "A" Frame fibreglass.

**Staging Units:**

(10) Staging Units, 1200 x 2400 x 400mm

**Stage Traps:**

Four Dip Traps on either side of stage (mirrored) at 0 mm, 2000mm, 6000mm and 4000mm upstage of SL. All have dimensions of 290 x 150mm.

**Safety Curtain:**

Safety Curtain installed **Yes**

Safety Curtain must be unobstructed at all times **Yes**

Thickness of Fire Curtain **110mm**

Distance from setting line **0mm**

## **Loading Dock:**

### **Access:**

Truck access is via Service Lane way. Trucks can reverse into loading dock.

Loading Dock Height      **930mm**

Door Dimensions            **3600mm High**

**2270mm Wide**

### **Restrictions / Obstructions:**

Inner Roller Door -      **3560mm High x 2400mm Wide**

### **Staging Notes:**

All flown items must be rigged with rated equipment and are subject to approval by a venue representative.

Limited rigging gear is available in house. All flown items must be approved by a venue representative.

Plenty Ranges reserves the right to refuse any flown item at any time.

All flying must be directly supervised by a venue representative.

## LIGHTING:

### Stage LX 1

Setting Line to lighting bar	<b>750mm</b>
Usable bar width	<b>14000mm</b>
Notes	-

### Stage LX 2

Setting Line to lighting bar	<b>3150 mm</b>
Usable bar width	<b>14000 mm</b>
Notes	-

### Stage LX 3

Setting Line to lighting bar	<b>5550 mm</b>
Usable bar width	<b>14000 mm</b>
Notes	-

### Stage LX 4

Setting Line to lighting bar	<b>5850mm</b>
Usable bar width	<b>14000mm</b>
Notes	-

### FOH Bridge 2

Setting Line to lighting bar	<b>9900mm</b>
Usable bar width	<b>16000mm</b>
Notes	-

### FOH Bridge 1

Setting Line to lighting bar	<b>6900mm</b>
Usable bar width	<b>16000mm</b>
Notes	-

### Orchestra Bar

Setting Line to lighting bar	<b>1400 mm</b>
Usable bar width	<b>14000 mm</b>
Notes	-

### Dress Circle Bar

Setting Line to lighting bar	<b>17000mm</b>
Usable bar width	<b>12000mm</b>
Notes	-

### FOH Perches (OP & PS)

Perch US (OP &PS)	<b>8600mm (CL), 5000mm (SL)</b>
-------------------	---------------------------------

Maximum lights per perch	<b>2</b>
Notes	Limited room in perch, no large fixtures

**Control:**

Lighting desk **LSC Clarity LX600**

Control channels **From 8,192 DMX Slots**

Signal output **DMX 512a, ArtNet, sACN, RDM**

Signal distribution **Universe 1 – DMX512a from Control Room to 10way (5x3pin & 5x5pin) isolated splitter on Stage Bridge. One Port used for dimmer control ring around venue.**

**Universe 2 – DMX512a from Control Room to 8way (4x3pin & 4x5pin) isolated splitter on Stage Bridge fed to each stage LX bar**

**Universe 3 – Ethernet to DMX from Control room to 5way isolated splitter on Stage Bridge.**

**DMX points available Prompt and OP Upstage and Downstage, on all LX Bars and FOH.**

Remote riggers available onstage **Yes**

**Dimmer Racks:**

**Total Dimmer Racks 14**

2.4Kw Dimmer Racks **State Automation Solution Cool**

Total dimmers @ 2.4kw per dimmer **168 channels**

5Kw Dimmer Racks **Dynalite Production dimmer**

Total dimmers @ 5kw per dimmer **6 channels**

**House Lights:**

Independent control **Yes**

Control positions **Control Room and Stage Managers Console.**

Fade time adjustable **No**

**Stage Luminare:**

**Profiles**

<b>Make</b>	<b>Model</b>	<b>Angle</b>	<b>Detail / Accessories</b>	<b>Watt</b>	<b>Total</b>
ETC	Source4	15/30	(6) Gobo holders to suit	750w	<b>27</b>
Strand	Prelude	16/30	(10) Gobo holders to suit, (8) iris'	650w	<b>22</b>

**Fresnel's**

<b>Make</b>	<b>Model</b>	<b>Detail / Accessories</b>	<b>Watt</b>	<b>Total</b>
Strand	Cantata	(40) Barndoors; (40) Gel Frames	1200w	<b>40</b>



**Wash**

Make	Model	Detail / Accessories	Watt	Total
Selecon		(4) cells per unit	800w	<b>8</b>
DTS	Delta 7B	LED fixture	400w	<b>12</b>

**Followspots**

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Performer	5 - 20	5 colour frames	2000w	<b>2</b>

**Additional Lighting:**

Item	Make	Model	Detail / Accessories	Watt	Total
Molefaye Duo	-				<b>2</b>
LED Pars	Pro Shop		RGB hung on LX1A		<b>20</b>

**Patching:**

Location	Quantity	Numbering (PS to OP)	Detail / Accessories
FOH 1	48	45 - 88	
FOH 2	48	1 - 44	
PS Gallery	48	194 - 241	<i>From stage floor traps</i>
LX 1	24	98 - 121	
LX 2	24	122 - 145	
LX 3	34		

**Production Desk:**

A Production desk can be set-up at the back of the stalls. A standard production desk accommodates 2 people with dimmable lighting, DMX for the lighting desk, talkback, and audio patch lines.

**Power:****3 Phase Outlets**

- (1) 40A downstage on PS
- (1) 40A downstage on OP
- (1) 40A upstage on PS
- (1) 40A upstage on OP
- (1) 40A tech office.
- (8) 40A PS Gallery (dimmer use only)
- (2) 40A FOH Bridge 1 (dimmer use only).
- (2) 40A FOH Bridge 2 (dimmer use only).
- (1) 10A Orch Bar (Chain Motor Winch Only)
- (2) 40A in Bio Box

**Cabling:****240v Extension Cable**

The theatre has a good stock of extension leads to accommodate the venue's standard lighting rig.

## AUDIO:

### Control Positions:

#### Control Room

Rear of Auditorium. Control Room open to Auditorium

#### Auditorium

Located at rear of Stalls in the centre of row M. Seats must be allocated if desk is to be positioned in this position.

#### Other

Prompt side at Stage Managers console, mixer can be patched through to house system.

### Control & Amplification:

#### Primary Mixer

Yamaha M7CL - 48, 48 channels, 4 stereo inputs

#### Amplifiers

(4) d&b Audiotechnik D6

#### EQ

(4) d&b Audiotechnik D6 amp (inbuilt in amp).  
Yamaha M7CL Internal EQ's

#### FX

Yamaha M7CL Internal FX

#### Compression / Limiter

d&b Audiotechnik D6 amp (inbuilt in amp)  
Yamaha M7CL Internal Dynamics Processing

### Speakers:

#### FOH Speakers

(2) d&b Audiotechnik Ci-60  
(2) d&b Audiotechnik Ci-90  
(4) d&b Audiotechnik E0  
(4) (2) d&b Audiotechnik Ci-7 Subs

#### Foldback

(2) JBL MR802 250wDownstage PS & OP

### Playback:

Item	Make	Model	Detail	Total
CD Player	Denon	DN-C640	Single CD player	1
DVD Player	Tascam	DV-DO1U	Single DVD player	1

**Microphones / DI's:**

Make	Model	Detail / Accessories	Use	Total
Shure	SM 58a	Clips	Vocals	8
Shure	SM 57	Clips	Instruments	8
Shure	SM 94	Clips	Instruments	10
Shure	Beta52	Internal Clip	Kick Drum	2
Sennheiser	E 602 MKII	Clip	Kick Drum	1
Sennheiser	EW 500 G3	Receivers	Vocals / Inst	20
Sennheiser	EW 500 e945	Handheld Microphone	Vocals	10
Sennheiser	EW 500 sk500	Beltpack Transmitter	Vocals / Inst	20
Klark Teknik	DN100	DI	Inst	8
McLelland	PDB - 100	DI	Inst	2

**Accessories:**

Item	Model	Detail / Accessories	Total
Microphone Stands	Tripod Base	With Boom Arm	20
Microphone Stands	Tripod Base	Small	5
Drum Mic Clips	K&N 24030B	Drum Microphone Clip	4

**Patching:**

Location	Quantity	Numbering	Detail
Control Room (looms from console)	48	1 – 48	48 sends, 16 returns
PS Wing (Mic)	20	1 - 20	20 sends
OP Wing (Mic)	20	21 – 40	20 sends
Orchestra Pit (Mic)	24	41 - 64	24 sends
PS Wing (Tie)	10	1 – 10	4 sends/returns (male & female)
OP Wing (Tie)	10	11 – 20	4 sends/returns (male & female)
Orchestra Pit (Tie)	6	21 – 26	6 send/returns (male & female)

**Cabling:****Audio Cable**

The theatre has a good stock of cable to accommodate the venue's audio equipment. If additional audio equipment is being brought in additional cabling may be required.

**Multicore**

(1) 10m, 12 lines

**AUDIO VISUAL:****Projectors:**

Sanyo XP100 6500 ansi lumens

**Screens:**

Cyclorama can be used as a screen.

Sharkstooth screen on line 2

Scrim can be used as a screen

**Projector Rigging Points:**

Bio Box

## **BACKSTAGE:**

### **Communications:**

#### **Stage Managers Desk**

Stage Managers desk is located in prompt corner. The desk can be moved within it's area and is fitted with a light, clock, stage video and audio, talkback and dressing room paging.

#### **Talkback**

Master Unit

**Creative Audio C120 command centre two running two common loops  
HME DX 200 Wireless Communications Base Station**

Total sub stations

**6 belt pack with headsets  
4 Wireless belt packs with headsets**

Talkback patching located at: **Stage Managers Desk**

**Control Room, lighting, audio, dome x 2**

**Flys OP**

**US x 2**

**Production Position and Centre Stalls**

**Orchestra Pit**

**Tech Office**

#### **Paging / Show relay**

Paging to the dressing rooms is available from the stage managers desk. Show relay is distributed to all dressing rooms and green room.

#### **Stage Monitor**

TV's are set-up in green room, dressing rooms and SM position. Camera is located at the rear in the centre of the auditorium

#### **Q Light System**

In house Q light system available      **No**

**Dressing Rooms:**

Dressing Room	Capacity	Toilets	Shower	Details
Dressing Rm #1	54	1	Yes	
Dressing Rm #2	46	1	Yes	
Dressing Rm #3	26	1	Yes	
Dressing Rm #4	5	No	No	Shared shower & toilets with DR #3
Green Room	24	2	2	
Woodstock Theatre	175	No	No	Used as additional dressing room if required

**Laundry / Wardrobe:**

Washing Machines	<b>Yes, 1 in theatre scene dock</b>
Dryers	<b>Yes, 1 in theatre scene dock</b>
Iron / ironing board	<b>One</b>
Clothes racks	<b>2 mobile racks, most dressing rooms have fixed rails</b>

**Production Facilities:****Production Office**

No. Dressing room #4 can be used as an office

**Phone**

No

**Fax**

Yes, available in administration office

**Internet access**

No.

**Greenroom:**

Tea / Coffee facilities	<b>Yes</b>
Fridge	<b>Yes</b>
Microwave	<b>No</b>
Running water	<b>Yes</b>

**Stage Door:****Access**

Stage Door is located near the loading dock on the Service Lane. This door is unsupervised and kept locked at all times.

**ADDITIONAL FACILITIES & INFORMATION****Rehearsal Space:**

Eucalypt Room. Bookings required for use

## **VENUE:**

### **Venue Contacts:**

Venue Address **35 Ferres Boulevard, South Morang, Vic, 3752**  
Venue Postal Address **Locked Bag 1, Bundoora MDC, Bundoora, Vic, 3083**

### **Staff Contacts:**

**Venue Manager** **James Mavros**  
Email Address james.mavros@whittlesea.vic.gov.au  
Phone Number (03) 9217 2402  
Mobile 0400 634 573

**Technical Manager** **Anthony Rogan**  
Email Address anthony.rogan@whittlesea.vic.gov.au  
Phone Number (03) 9217 2463  
Mobile Number 0408 503 346

**Administration**  
Phone Number 03) 9217 2317  
Email Address info@pracc.com.au  
Fax Number 03) 9409 9802

**Box Office**  
Phone Number 9217 2317  
Email Address bookings@pracc.com.au  
Fax Number 03) 9409 9802

### **Venue Plans:**

#### **Venue Plan Available**

Yes, hard copy can be mailed, or a PDF emailed upon request.

#### **Venue Section Available**

No